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Absorption spectra; *Anabaena variabilis*; Cyanobacteria; Fluorescence spectra; *Phormidium uncinatum*; Solar radiation; Ultraviolet irradiation; Velocity (Donkor, V. (86) 159)

Mutual interactions
Biodegradation; 6-Aminonaphthalene-2-sulphonic acid; Adaptation to xenobiotic compound (Rozgaj, R. (86) 229)

Mutualism
Cellulose; Cellulolytic co-culture; Cross-feeding; Interactions; N_2 fixation (Cavedon, K. (86) 237)

^{15}N
Denitrification; Nitrification; Sediment; Isotopes; $^{15}NO_3^-$ (Nielsen, L.P. (86) 357)

Nematophagous fungus
Protozoa; Biological control; *Drechmeria coniospora*; Conidial survival (Hekman, W.E. (86) 255)

Neomycin
Kanamycin; *Escherichia coli*; Population dynamics; *nptII* Gene; Colony-hybridization (Recorbet, G. (86) 187)

N_2 fixation
Cellulose; Cellulolytic co-culture; Cross-feeding; Interactions; Mutualism (Cavedon, K. (86) 237)

Nitrate
Aerobic denitrification; Oxygen; Nitrite; Selection (Robertson, L.A. (86) 221)

Nitrate respiration
DNA-DNA hybridization; Dot-blot analysis; Denitrification; Nitrogen fixation (Von Berg, K.-H.L. (86) 331)

Nitrification
Mineralization; Nitrogen cycle; Mass transfer; Microenvironments (De Beer, D. (86) 1)

Radial oxygen loss; *Rumex*; Root biomass; Waterlogging (Engelaar, W.M.H.G. (86) 33)

Denitrification; Sediment; Isotopes; ^{15}N; $^{15}NO_3^-$ (Nielsen, L.P. (86) 357)

Nitrite
Aerobic denitrification; Oxygen; Nitrate; Selection (Robertson, L.A. (86) 221)

Nitrobacter
Liming; Bacterial population; Fungal population; Denitrifiers (Nodar, R. (86) 213)

Nitrogen cycle
Nitrification; Mineralization; Mass transfer; Microenvironments (De Beer, D. (86) 1)

Nitrogen fixation
DNA-DNA hybridization; Dot-blot analysis; Denitrification; Nitrate respiration (Von Berg, K.-H.L. (86) 331)

$^{15}NO_3^-$
Denitrification; Nitrification; Sediment; Isotopes; ^{15}N (Nielsen, L.P. (86) 357)

Oligotrophic bacteria
Grassland soil; Colony formation; Growth rate; Bacterial grouping (Kasahara, Y. (86) 95)

Oscillatoria
Cyanobacteria; Sulfide springs; Microbial mats; Gliding motility; Phototaxis; Anoxygenic photosynthesis (Castenholz, R.W. (86) 43)

Oxygen
Aerobic denitrification; Nitrate; Nitrite; Selection (Robertson, L.A. (86) 221)

Oxygen microelectrodes
Cyanobacteria; Artificial scum conditions; Downwelling photon irradiance; Colony size (Ibelings, B.W. (86) 195)

Paracoccus denitrificans
Bacterial production; Growth rates; Lake Constance; *Pseudomonas carboxydovorans*; *Methylosinus trichosporium*; *Methylomonas agile* (Kraffzik, B. (86) 7)

Phormidium uncinatum
Absorption spectra; *Anabaena variabilis*; Cyanobacteria; Fluorescence spectra; Motility; Solar radiation; Ultraviolet irradiation; Velocity (Donkor, V. (86) 159)

Phototaxis
Oscillatoria; Cyanobacteria; Sulfide springs; Microbial mats; Gliding motility; Anoxygenic photosynthesis (Castenholz, R.W. (86) 43)

Phototrophic sulfur bacteria
Sulfate reduction; Thiosulfate consumption; Viable counts; Sulfate-reducing bacteria; Colorless sulfur bacteria (Visscher, P.T. (86) 283)

Pigment analysis
Microbial mat; Scanning electron microscopy; Cyanobacteria; Purple sulfur bacteria; Diatom; Prokaryotic predation (Mir, J. (86) 59)

Plaque-forming units
Chromatium; Predatory bacteria; Scanning electron microscopy (Esteve, I. (86) 205)

Plasmid deletion
Rhizobium; *Hedysarum coronarium*; Symbiotic plasmid; Plasmid incompatibility; Plasmid recombination (Ollero, F.J. (86) 131)

Plasmid incompatibility
Rhizobium; *Hedysarum coronarium*; Symbiotic plasmid; Plasmid recombination; Plasmid deletion (Ollero, F.J. (86) 131)

Plasmid recombination
Rhizobium; *Hedysarum coronarium*; Symbiotic plasmid; Plasmid incompatibility; Plasmid deletion (Ollero, F.J. (86) 131)

Plasmid transfer
Intraspecific competition; Population dynamics; *Pseudomonas aeruginosa*; *Agrobacterium tumefaciens* (Richaume, A. (86) 321)

Polysaccharide
Uronic acids; Microcosm; Sorption; Hydrophobic (Bengtsson, G. (86) 15)

Population dynamics
Fungi; Protozoa; Bacteria; Soil inoculation; *Fusarium*; Predation (Levrat, P. (86) 123)

Kanamycin; Neomycin; *Escherichia coli*; *nptII* Gene; Colony-hybridization (Recorbet, G. (86) 187)

Plasmid transfer; Intraspecific competition; *Pseudomonas aeruginosa*; *Agrobacterium tumefaciens* (Richaume, A. (86) 321)

Predation
Fungi; Protozoa; Bacteria; Population dynamics; Soil inoculation; *Fusarium* (Levrat, P. (86) 123)

Predatory bacteria
Chromatium; Scanning electron microscopy; Plaque-forming units (Esteve, I. (86) 205)

Prokaryotic predation
Microbial mat; Scanning electron microscopy; Pigment analysis; Cyanobacteria; Purple sulfur bacteria; Diatom (Mir, J. (86) 59)

Protozoa
Fungi; Bacteria; Population dynamics; Soil inoculation; *Fusarium*; Predation (Levrat, P. (86) 123)

Biological control; Nematophagous fungus; *Drechmeria coniospora*; Conidial survival (Hekman, W.E. (86) 255)

Pseudomonas aeruginosa
Plasmid transfer; Intraspecific competition; Population dynamics; *Agrobacterium tumefaciens* (Richaume, A. (86) 321)

Pseudomonas carboxydovorans
Bacterial production; Growth rates; Lake Constance; *Paracoccus denitrificans*; *Methylosinus trichosporium*; *Methylomonas agile* (Kraffzik, B. (86) 7)

Pseudomonas fluorescens - putida
Fusarium oxysporum; Microbial interactions; Soilless culture (Eparvier, A. (86) 177)

Purple sulfur bacteria
Microbial mat; Scanning electron microscopy; Pigment analysis; Cyanobacteria; Diatom; Prokaryotic predation (Mir, J. (86) 59)

Radial oxygen loss
Nitrification; *Rumex*; Root biomass; Waterlogging (Engelaar, W.M.H.G. (86) 33)

Reductive dehalogenation
Syntrophic association; Triculture; Minimum threshold; Interspecies hydrogen transfer (Dolfing, J. (86) 25)

Resistance
Chlorinated benzenes; Chlorinated phenols; Hexachlorocyclohexanes; Biodegradation; Respiration rate; Cell counts (Lang, E. (86) 275)

Respiration rate
Resistance; Chlorinated benzenes; Chlorinated phenols; Hexachlorocyclohexanes; Biodegradation; Cell counts (Lang, E. (86) 275)

Rhizobium
Slime moulds; Rhizosphere; Bacterivores; Soil microorganisms: Protozoa (Amewowor, D.H.A.K. (86) 69)

Hedysarum coronarium; Symbiotic plasmid; Plasmid incompatibility; Plasmid recombination; Plasmid deletion (Ollero, F.J. (86) 131)

Rhizosphere
Slime moulds; Bacterivores; Soil microorganisms: Protozoa; *Rhizobium* (Amewowor, D.H.A.K. (86) 69)

Root biomass
Radial oxygen loss; Nitrification; *Rumex*; Waterlogging (Engelaar, W.M.H.G. (86) 33)

Rumex
Radial oxygen loss; Nitrification; Root biomass; Waterlogging (Engelaar, W.M.H.G. (86) 33)

Salt marsh fungus
Spartina alterniflora; Ergosterol analysis; Lignin phenols; CuO oxidation (Bergbauer, M. (86) 341)

Scanning electron microscopy
Microbial mat; Pigment analysis; Cyanobacteria; Purple sulfur bacteria; Diatom; Prokaryotic predation (Mir, J. (86) 59)

Chromatium; Predatory bacteria; Plaque-forming units (Esteve, I. (86) 205)

Sediment
Denitrification; Nitrification; Isotopes; ^{15}N; $^{15}NO_3^-$ (Nielsen, L.P. (86) 357)

Selection
Aerobic denitrification; Oxygen; Nitrate; Nitrite (Robertson, L.A. (86) 221)

Slime moulds
Rhizosphere; Bacterivores; Soil microorganisms: Protozoa; *Rhizobium* (Amewowor, D.H.A.K. (86) 69)

Soil
Sphingomonas paucimobilis SS86; Survival; Inoculated bacteria; Indigenous bacteria; γ-HCH (Senoo, K. (86) 311)

Soil inoculation
Fungi; Protozoa; Bacteria; Population dynamics; *Fusarium*; Predation (Levrat, P. (86) 123)

Soilless culture
Fusarium oxysporum; *Pseudomonas fluorescens - putida*; Microbial interactions (Eparvier, A. (86) 177)

Soil microorganisms: Protozoa
Slime moulds; Rhizosphere; Bacterivores; *Rhizobium* (Amewowor, D.H.A.K. (86) 69)

Solar radiation
Absorption spectra; *Anabaena variabilis*; Cyanobacteria; Fluorescence spectra; Motility; *Phormidium uncinatum*; Ultraviolet irradiation; Velocity (Donkor, V. (86) 159)

Sorption
Uronic acids; Microcosm; Polysaccharide; Hydrophobic (Bengtsson, G. (86) 15)

Spartina alterniflora
Ergosterol analysis; Salt marsh fungus; Lignin phenols; CuO oxidation (Bergbauer, M. (86) 341)

Spectroradiometry
Microbenthic; Microprobe (Lassen, C. (86) 247)

***Sphingomonas paucimobilis* SS86**
Survival; Soil; Inoculated bacteria; Indigenous bacteria; γ-HCH (Senoo, K. (86) 311)

Starved marine bacteria
Laminarinase; Alginase (Davis, C.L. (86) 349)

Sulfate-reducing bacteria
Sulfate reduction; Thiosulfate consumption; Viable counts; Colorless sulfur bacteria; Phototrophic sulfur bacteria (Visscher, P.T. (86) 283)

Sulfate reduction
Thiosulfate consumption; Viable counts; Sulfate-reducing bacteria; Colorless sulfur bacteria; Phototrophic sulfur bacteria (Visscher, P.T. (86) 283)

Sulfide springs
Oscillatoria; Cyanobacteria; Microbial mats; Gliding motility; Phototaxis; Anoxygenic photosynthesis (Castenholz, R.W. (86) 43)

Survival
Sphingomonas paucimobilis SS86; Soil; Inoculated bacteria; Indigenous bacteria; γ-HCH (Senoo, K. (86) 311)

Symbiotic plasmid
Rhizobium; *Hedysarum coronarium*; Plasmid incompatibility; Plasmid recombination; Plasmid deletion (Ollero, F.J. (86) 131)

Syntrophic association
Reductive dehalogenation; Triculture; Minimum threshold; Interspecies hydrogen transfer (Dolfing, J. (86) 25)

Systematics
Crude oil; Ecology; Biodegradation; Aliphatic hydrocarbon; Aromatic hydrocarbon (Venkateswaran, K. (86) 113)

Thiosulfate consumption
Sulfate reduction; Viable counts; Sulfate-reducing bacteria; Colorless sulfur bacteria; Phototrophic sulfur bacteria (Visscher, P.T. (86) 283)

Total C
Freeze/thaw; K_2SO_4 extractable carbon; $CHCl_3$ fumigation (Christensen, S. (86) 267)

Transposon mutagenesis
Conjugation; *lac* Fusion; Carbon-starvation induced differentiation (Östling, J. (86) 83)

Triculture
Reductive dehalogenation; Syntrophic association; Minimum threshold; Interspecies hydrogen transfer (Dolfing, J. (86) 25)

Ulcerative colitis
Dissimilatory sulphate reduction; Desulfovibrios; Growth rates (Gibson, G.R. (86) 103)

Ultraviolet irradiation
Absorption spectra; *Anabaena variabilis*; Cyanobacteria; Fluorescence spectra; Motility; *Phormidium uncinatum*; Solar radiation; Velocity (Donkor, V. (86) 159)

Uronic acids
Microcosm; Polysaccharide; Sorption; Hydrophobic (Bengtsson, G. (86) 15)

Velocity
Absorption spectra; *Anabaena variabilis*; Cyanobacteria; Fluorescence spectra; Motility; *Phormidium uncinatum*; Solar radiation; Ultraviolet irradiation (Donkor, V. (86) 159)

Viable counts
Sulfate reduction; Thiosulfate consumption; Sulfate-reducing bacteria; Colorless sulfur bacteria; Phototrophic sulfur bacteria (Visscher, P.T. (86) 283)

Waterlogging
Radial oxygen loss; Nitrification; *Rumex*; Root biomass (Engelaar, W.M.H.G. (86) 33)